ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

Alameda County
Environmental Protection Division
1131 Harbor Bay Parkway, Room 250
Alameda CA 94502-6577

CC4580

August 13, 1996

STID 659

REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. Jim Lorge
R & J Quick Clean Center
2522 Castro Valley Boulevard
Castro Valley, CA 94546

RE: R & J QUICK CLEAN CENTER (PADILLA TRUCKING), 2522 CASTRO VALLEY BOULEVARD (2517 SAN CARLOS), CASTRO VALLEY

Dear Mr. Lorge:

This letter confirms the completion of site investigation and remedial action for the two underground storage tanks formerly located at the above-described location. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including current land use, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank releases is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721(e). If changes in land use, structural configuration, or site activities are proposed such that more conservative exposure scenarios should be evaluated, the owner must promptly notify this agency.

Please contact Scott Seery at (510) 567-6783 if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung
Director of Environmental Health Services

enclosure
cc: Gordon Coleman, Acting Chief, Env. Protection Division
Kevin Graves, RWQCB
Lori Casias, SWRCB (w/enclosure)
Dave Deaner, SWRCB

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION **Date: 05/06/96**

Agency name: **Alameda County-EPD** Address: **1131 Harbor Bay Pkwy #250**
City/State/Zip: **Alameda, CA 94502** Phone: **(510) 567-6700**
Responsible staff person: **Scott Seery** Title: **Sr. Haz. Materials Spec.**

II. CASE INFORMATION

Site facility name: **R & J Quick Clean Center (Padilla Trucking)**
Site facility address: **2522 Castro Valley Blvd. (2517 San Carlos) Castro Valley 94546**
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **659**
URF filing date: 02/06/91 SWEEPS No: **N/A**

Responsible Parties:	Addresses:	Phone Numbers:
Jim Lorge	2522 Castro Valley Blvd. Castro Valley, CA 94546	510/581-9797

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
1	1000 gallon	gasoline	removed	02/06/91
2	700 "	"	"	02/20/92

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: corrosion

Site characterization complete? YES

Date approved by oversight agency: 02/04/94

Monitoring Wells installed? YES (backfill - extraction) Number: 1

Proper screened interval? YES

Highest GW depth below ground surface: < 5' Lowest depth: UNK

Flow direction: presumed SE (based on topography and adjoining site data)

Most sensitive current use: commercial

Are drinking water wells affected? NO Aquifer name: Castro Valley basin

Is surface water affected? NO Nearest affected SW name: NA

Off-site beneficial use impacts (addresses/locations): None

Leaking Underground Fuel Storage Tank Program

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)

Report(s) on file? **YES** Where is report filed? **Alameda County**
1131 Harbor Bay Pkwy
Alameda CA 94502

Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment of Disposal w/destination)	Date
Tank	(700 and 1000 gal.)	Disposal - Erickson Richmond, CA	02/06/91 02/20/92
Piping	UNK	as above	
Free Product	NA		
Soil	~ 120 yds^3	Disposal - West Winton LF Hayward, CA	09/17/91
	~ 15 yds^3	Disposal - Guadalupe Disp. San Jose, CA	10/01/92
Groundwater	2060 gal.	Disposal - Evergreen Oil Newark, CA	02/06/91
	1119 gal.	Disposal - Gibson Oil Bakersfield, CA	02/20/92
Barrels	NA		

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water[4] (ppb)	
	Before[1]	After[2]	Before	After
TPH (Gas)	2200	1500	6900	NA
TPH (Diesel)	600	1200	42,000	"
Benzene	ND	0.4	280	"
Toluene	32	ND	280	"
Xylene	39	16	430	"
Ethylbenzene	16	12	120	"
Oil & Grease	NA	NA	NA	"
Heavy metals: **Pb**	9.7	12[3]	6.7	"

NOTE:

1) Soil "before" results are represented by initial samples collected during both the 1991 and 1992 UST closures, as follows: TPH-G, TPH-D, benzene, ethylbenzene, and total xylenes from UST #1 pit (1991); toluene and total Pb results from UST #2 pit (1992).

2) Soil "after" results are from sidewall samples collected from UST #1 pit after limited overexcavation.

3) Soil "after" Pb results from boring EB-3 collected @ 5' depth.

4) Water "before" results are from samples collected from the UST #2 pit (1992) after purging the excavation of ~1200 gallons. "After" water results represent the reported inability to find GW during performance of the PSA.

Leaking Underground Fuel Storage Tank Program

Comments (Depth of Remediation, etc.):

Two (2) USTs of 1000 and 700 gallon capacity were formerly located on this site. The 1000 gallon tank was removed during February 1991; the 700 gallon tank was removed during February 1992. A summary of each closure project is presented below.

1000 gallon UST, 1991 closure

A 1000 gallon (presumed) gasoline UST was removed from the site on February 6, 1991. Strong hydrocarbon odors were evident during removal of the overburden within the tank excavation. Sidewalls were heavily stained. Apparent GW was present in the tank excavation at a depth approximate with the tank "waistline." Such water was observed seeping into the excavation on all sidewalls at an approximate depth of 18 inches. Apparent product was observed floating on the water's surface. A vacuum truck from Evergreen Oil (Newark, CA) removed ~ 2100 gallon of GW from the UST and excavation prior to tank removal.

Observation of the tank after removal indicated it appeared sound; however, it has been reported that product piping leading from the subject tank and serving a nearby dispenser was corroded with several throughgoing holes.

Sidewall samples (2) were collected from either end of the tank pit within the apparent capillary zone. Because of the noted observations (e.g., staining, odors, affected water, etc.) an attempt to delineate the extent of the contamination ensued through limited overexcavation of the UST pit. After the removal of another reported 30 yds^3 of soil, this activity stopped. Final samples were collected from the resultant excavations sidewalls and bottom. Final results indicate low-to-moderate concentrations of residual fuel compounds in sampled soil media. GW was not sampled.

Stockpiled soil, ~ 120 yds^3, was reportedly "treated" on-site (aeration) prior to its disposal during September 1991 at the West Winton landfill, Hayward, CA. No documents have been made available to confirm either quantity or disposal location.

700 gallon UST, 1992 closure

The second UST was discovered abandoned and paved-over below the driveway leading from San Carlos. Various accounts indicate the tank had not been used for 30 or more years. Upon removal it was found riddled with throughgoing holes. Product odor was evident emanating from the open excavation.

Apparent product was observed floating on shallow (apparent) GW entering the excavation. After removal of approximately 1200 gallons via vacuum truck (Gibson Oil, Bakersfield, CA) a sample was collected for analysis.

A single soil sample was also collected from a sidewall adjacent the fill end of the tank.

Soil sample analyses revealed low-to-moderate concentrations of fuel compounds. Total Pb concentrations (9.7 ppm) were within the expected geogenic range. Water analyses revealed up to 280 ug/l benzene and 42,000 ug/l TPH-D, among other fuel constituents.

A short well screen was placed into the excavation before it was restored to grade using imported gravel. This casing was installed for potential future use as an extraction well if GW treatment was eventually required.

Stockpiled soil, ~ 15 yds^3, was transported to Guadalupe Disposal, San Jose, CA, during October 1992.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Undetermined

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Undetermined

Does corrective action protect public health for current land use? YES
Site management requirements: NA

Should corrective action be reviewed if land use changes? YES

Monitoring wells Decommisioned: NO

Number Decommisioned: none Number Retained: 1 (pending case closure)

List enforcement actions taken: none

List enforcement actions rescinded: none

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Scott Seery Title: Sr. Haz Mat Specialist
Signature: Date: 5/17/96

Leaking Underground Fuel Storage Tank Program

Reviewed by
Name Amy Leech; Title: Haz Mat Specialist
Signature: A Leech Date: 5/7/96

Name: Tom Peacock Title: Supervising Haz Mat Specialist
Signature: Tom Peacock Date: 5-20-96

VI. RWQCB NOTIFICATION

Date Submitted to RB: 5/21/96 RB Response:
RWQCB Staff Name: Kevin Graves Title: San. Eng. Assoc. Date:

VII. ADDITIONAL COMMENTS, DATA, ETC.

Additional assessment of the two UST areas was performed during January 1994. This work involved the advancement of four (4) soil borings, two of which were advanced directly adjacent the subject UST pits, and two others in the expected up- and down-gradient direction.

Encountered materials were comprised of plastic silty clays in gradational contact with underlying shale bedrock. Contact between bedrock and overlying sediments ranged from approximately 6 to 10' below grade (BG). Bedrock exhibited a narrow weathered contact margin, becoming more competent with depth. Auger refusal reportedly occurred within a few feet of encountering more competent bedrock. Total boring depths ranged from 10 - 15' BG.

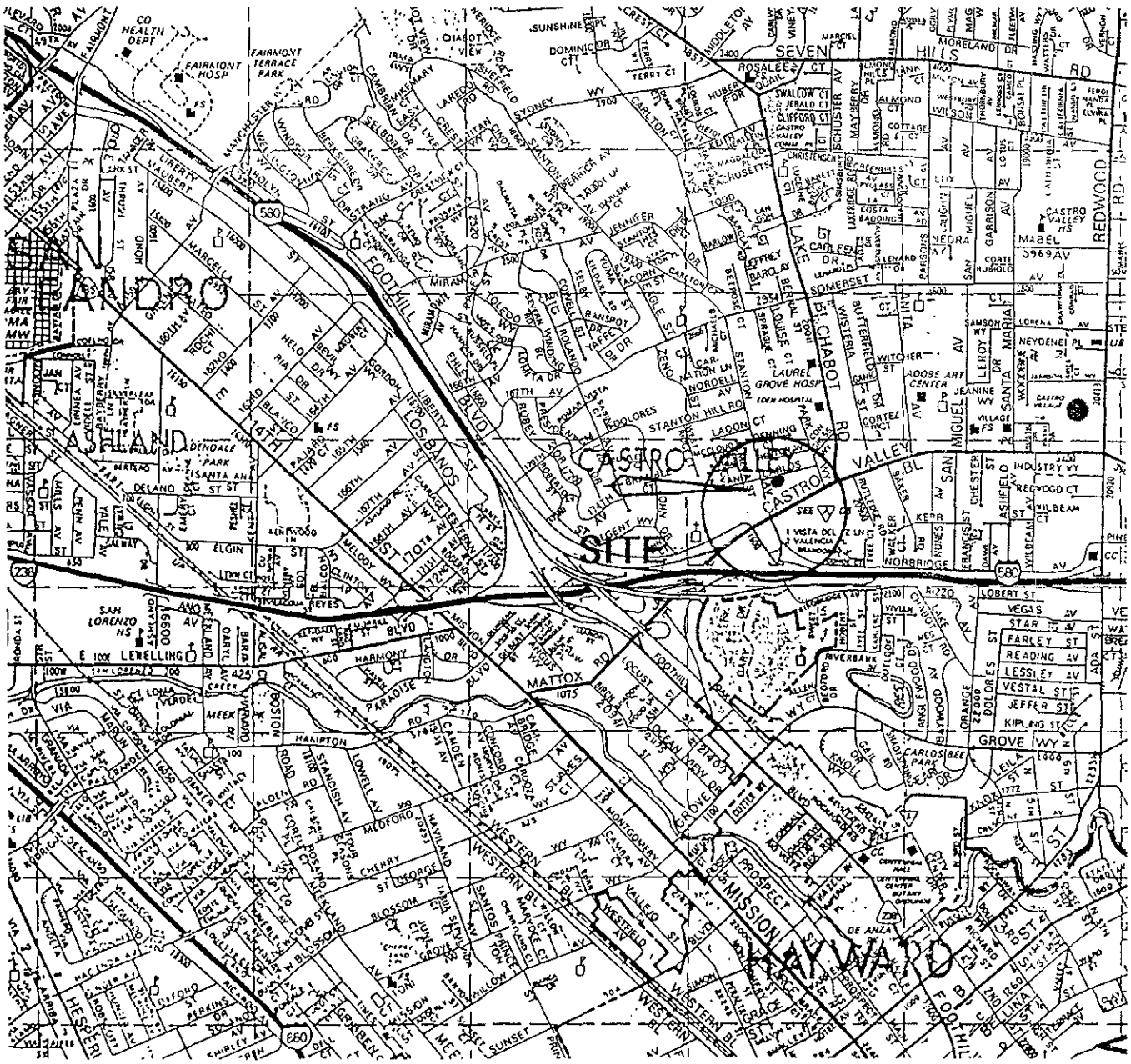
Groundwater was not encountered in any of the borings. Water was observed, however, in the well previously emplaced in the UST #2 pit during restoration. It is not known whether this well was ever sampled.

Up to 25 ppm TPH-G, 12 ppm TPH-D, 0.084 ppm benzene, and 12 ppm total Pb, among other constituents, were detected in soil sampled at the 5' depth in boring EB-3, drilled adjacent to UST #2. No contaminants were detected in soil sampled from boring EB-4, emplaced within 40' and in the (presumed) down-gradient direction from UST #1.

Data indicate very-limited latent soil contamination in the area of the former USTs. All identified soil and water contaminant concentrations are below the ASTM RBCA Tier 1 "Look-up Table" values for plausible exposure scenarios (i.e., vapor transmission from soil/GW into commercial structures or outside air).

The source of water present in the subject tank pits observed during the 1991 and 1992 closures appears to have been ephemeral, and may have been as a result of lawn irrigation (home located directly adjacent and upslope of site), broken water supply piping, and/or infiltration of recent winter

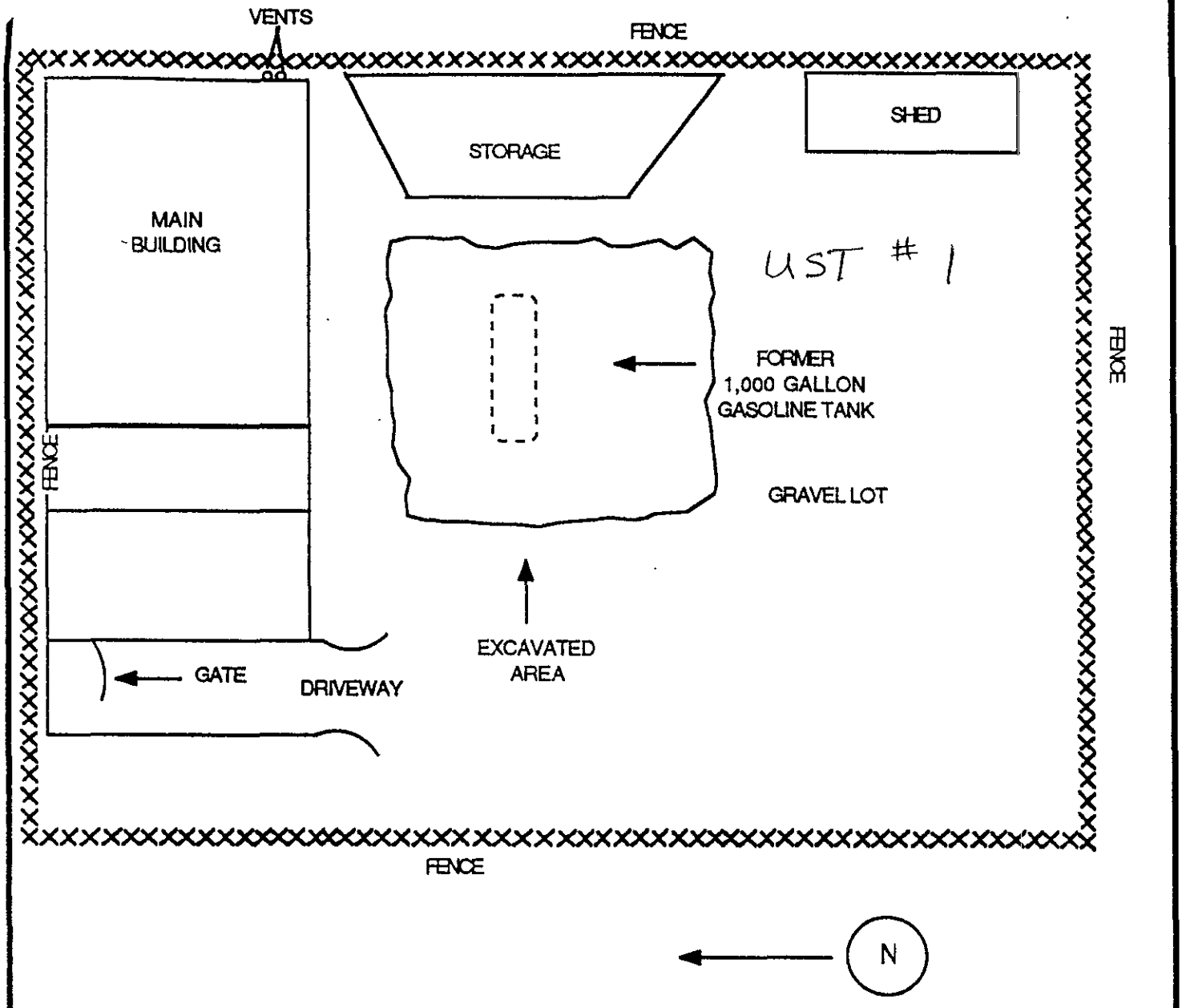
rains, moving at shallow depth through unconsolidated soil materials, along the underlying weathered bedrock contact. Water present in the tank pits does not appear, therefore, to represent resident groundwater. Consequently, expected migration of any residual contaminants away from the source areas appears minimal.



VICINITY MAP	Project No. 9342-R
R. J. Quick Clean 2522 Castro Valley Blvd. Castro Valley, CA 94546	Scale: None Date: Feb. 1994
	FIGURE 1

GEN TECH
ENVIRONMENTAL, INC.
SAN JOSE, CA

SAN CARLOS



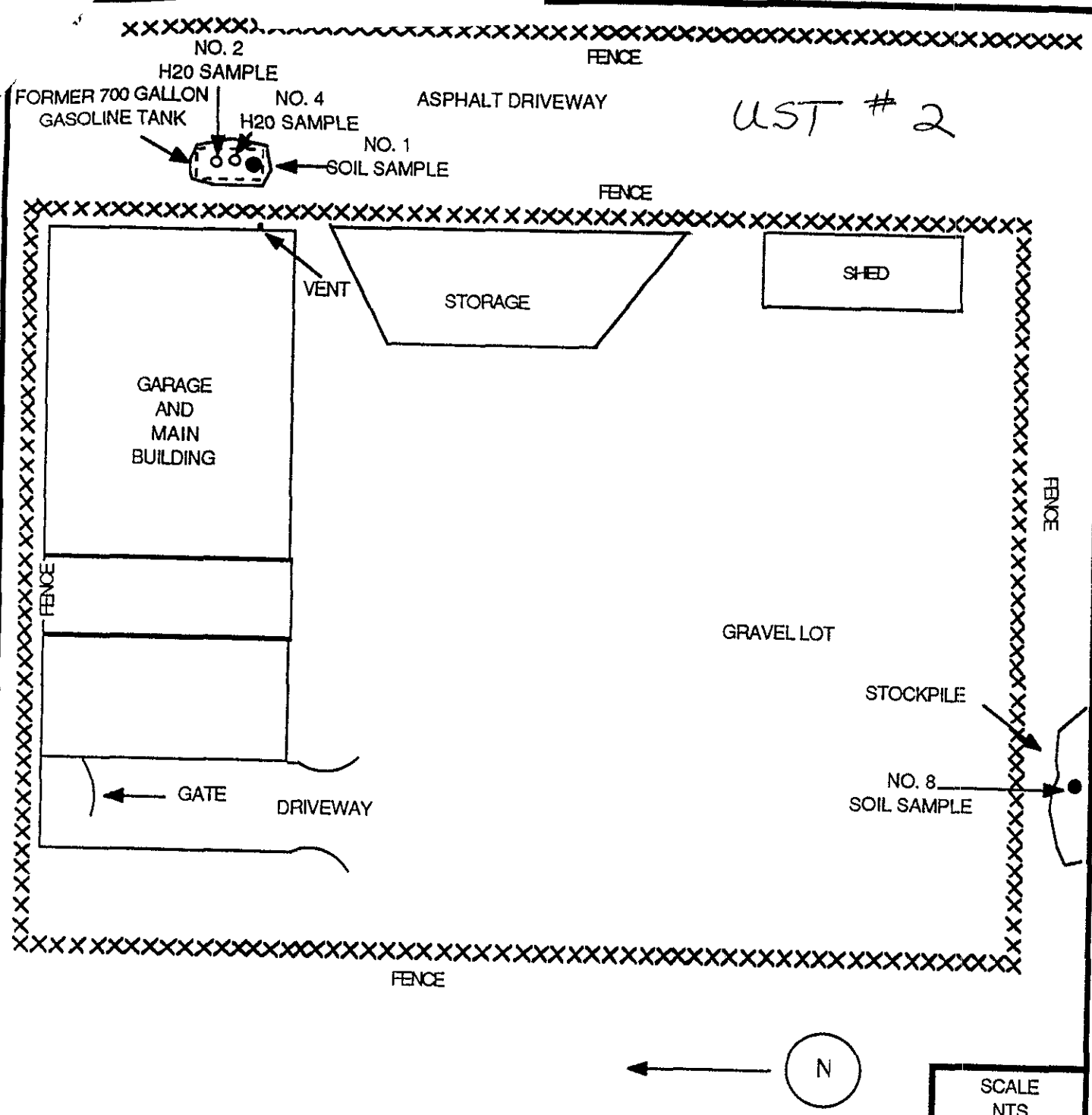
SCALE	NTS
DATE	3/11/91
DRWG. BY	EMM

KTN & ASSOCIATES

PROJECT: 1133

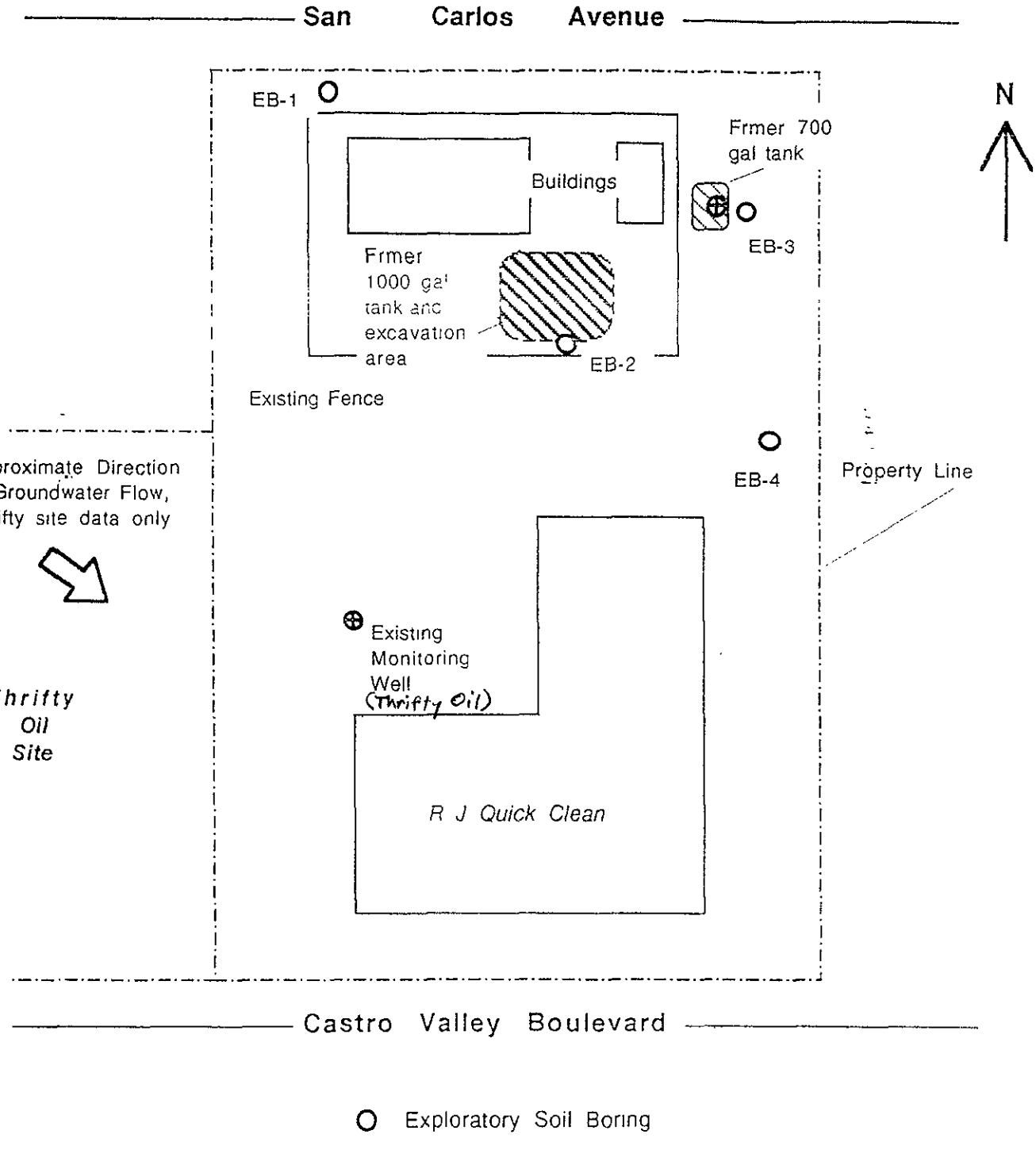
GENERALIZED SITE MAP
RJ QUICK CLEAN
2517 San Carlos Street
(2522 Castro Valley Blvd.)
Castro Valley, California

PLATE
2



SAN CARLOS

SCALE NTS		
DATE 3/9/92		
DRWG. BY EMM		
KTN & ASSOCIATES	GENERALIZED SITE MAP RJ QUICK CLEAN 2522 Castro Valley Blvd. Castro Valley, California	PLATE 2
PROJECT: 1231		



GEN TECH ENVIRONMENTAL, INC.
SAN JOSE, CA

SITE PLAN
Exploratory Boring Locations
RJ Quick Clean
2522 Castro Valley Blvd.
Castro Valley, CA

Project No. 9342-R
Scale: 1" = 30
Date: July, 1993

FIGURE 2

Gen Tech Environmental, Inc. San Jose, CA

Exploratory Boring Log

Project No. 9342-R **Boring/Well No.** EB-1
Client: Lorge **Date Drilled:** January 7, 1994
Location: 2522 Castro Valley Blvd. **Logged by:** EL
Drilling Method: Hollowstem **Permit:** N/A
Water Levels: 1st Enc: None Static:

Borehole Completion
Well Installed: None

Cement Grout Seal: 13.3' to surface

Sample No.	OV	Blow Count	Sample	Depth	Lithology Log	Well Detail/ Backfill
					Asphalt Pavement and baserock	
					CL - Silty CLAY, dark gray, 10% silt, low to medium plasticty, laminated, stiff, damp.	
EB-1@ 5'		8		5	same as above, dark olive gray, contains <5% fine sand, medium plasticity, damp.	
EB-1@ 10'		37		10	CL - Silty CLAY, dark yellowish brown, very hard, damp; drilling becomes difficult with depth, appears to be transition to shale rock	
Recover 3"		105 for 3"		15	Bottom of Boring = 13.3 feet. Borehole left open to observe for water entry - none observed.	

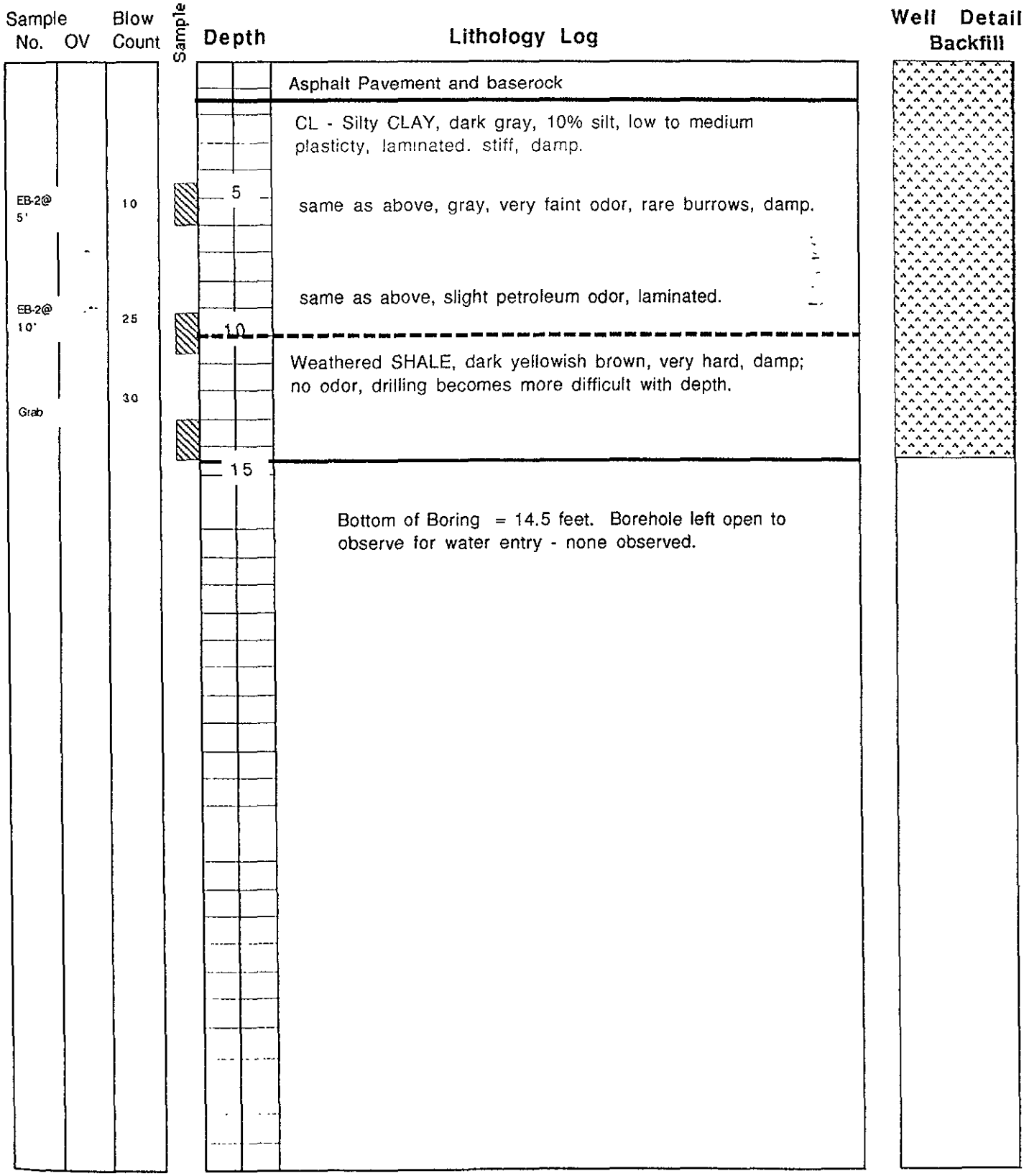
Gen Tech Environmental, Inc. San Jose, CA

Exploratory Boring Log

Project No. 9342-R **Boring/Well No.** EB-2
Client: Lorge **Date Drilled:** January 7, 1994
Location: 2522 Castro Valley Blvd. **Logged by:** EL
Drilling Method: Hollowstem **Permit:** N/A
Water Levels: 1st Enc: None Static:

Borehole Completion
Well Installed: None

Cement Grout Seal: 14.5' to surface



Gen Tech Environmental, Inc. San Jose, CA

Project No. 9342-R **Boring/Well No.** EB-3
Client: Lorge **Date Drilled:** January 7, 1994
Location: 2522 Castro Valley Blvd. **Logged by:** EL
Drilling Method: Hollowstem **Permit:** N/A
Water Levels: 1st Enc: None Static:

Exploratory Boring Log

Borehole Completion
Well Installed: None

Cement Grout Seal: 15.5' to surface

Sample No.	OV	Blow Count	Sample	Depth	Lithology Log	Well Detail/ Backfill
					Asphalt Pavement and baserock	
					CL - Silty CLAY, dark gray, 10% silt, low to medium plasticty, laminated, stiff, damp.	
EB-3@ 5'		11		5	same as above, gray, very faint odor, rare burrows, damp.	
EB-3@ 10'		13		10	same as above, slight petroleum odor, med. to high plasticity; gradual color change to yellowish brown, rare burrows.	
Grab		38			Weathered SHALE, dark yellowish brown, very hard, damp; no odor, drilling becomes more difficult with depth.	
Grab		42		15	driller calls auger refusal	
					Bottom of Boring = 15.5 feet. Borehole left open to observe for water entry - none observed. Drilled next to former tank excavtion, 5-6 foot deep backfill well in excavation contains water.	

Gen Tech Environmental, Inc. San Jose, CA

Exploratory Boring Log

Project No. 9342-R **Boring/Well No.** EB-4
Client: Lorge **Date Drilled:** January 7, 1994
Location: 2522 Castro Valley Blvd. **Logged by:** EL
Drilling Method: Hollowstem **Permit:** N/A
Water Levels: 1st Enc: None Static:

Borehole Completion
Well Installed: None

Cement Grout Seal: 10' to surface

Sample No.	OV	Blow Count	Sample	Depth	Lithology Log	Well Detail/ Backfill
					Asphalt Pavement and baserock	
					CL - Silty CLAY, dark gray, 10% silt, low to medium plasticty, laminated, stiff, damp.	
EB-4@ 5'		6		5	same as above, rare burrows, damp.	
					CL Silty CLAY to Weathered SHALE, dark yellowish brown, mixed rock fragments and clay, very hard, damp;	
Grab		90 for 10"		10		
					Bottom of Boring = 10 feet. Borehole left open to observe for water entry - none observed.	